



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090099-C

Mode: Highway

Status: Submitted

US-13

From/Cross Street: SR 1202 (Eure Road/Gates School Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: Virginia State Line

Project Category: Statewide Mobility

Length: 4.71

TIP#: R-2507C

Fully Funded in Draft STIP? No

Cost to NCDOT: \$31,000,000

Description:

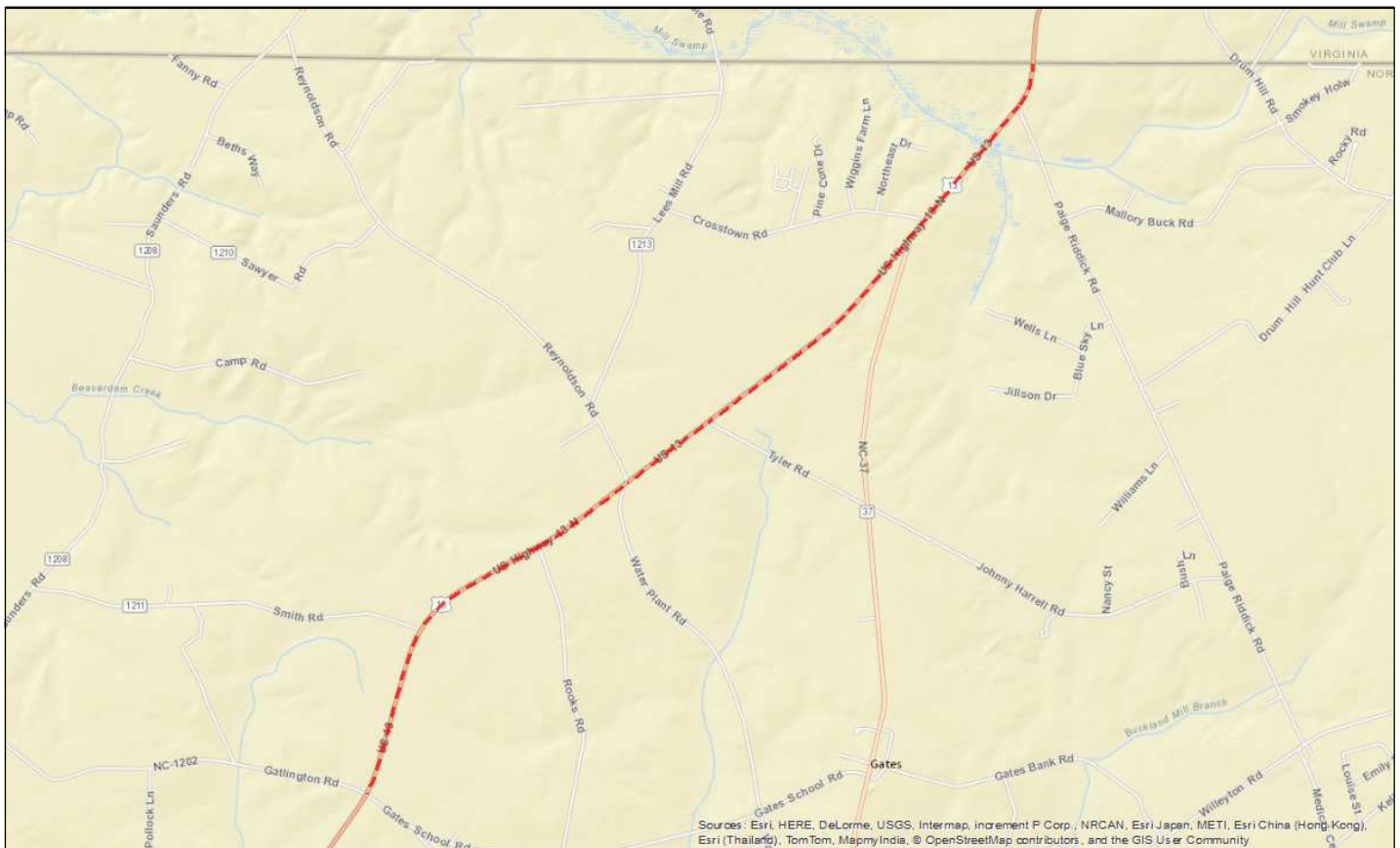
Widen to Multi-Lanes.

Division(s): Division 1

County(s): GATES

MPOS(s)/RPO(s): Albemarle RPO

Project Location



Statewide Mobility Total Score: 12.47

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (30%) 16.33 Safety (10%) 56.83 Economic Competitiveness (10%) 0.07 Multimodal + [Freight & Military] (20%) 9.37 [Travel Time] Benefit/Cost (30%) 0.02	N/A	N/A
Totals: Weight: 100% Weighted Score: 12.47		

Regional Impact Total Score: 40.98

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (15%) 16.33 Safety (15%) 56.83 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 0.00 [Travel Time] Benefit/Cost (20%) 0.02	Percent: 15% Points: 100	Percent: 15% Points: 100
Totals: Weight: 70% Weighted Score: 10.98		

Division Needs Total Score: 32.32

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (10%) 16.33 Safety (10%) 56.83 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 0.00 [Travel Time] Benefit/Cost (10%) 0.02	Percent: 25% Points: 0	Percent: 25% Points: 100
Totals: Weight: 50% Weighted Score: 7.32		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	55
Length (miles):	4.71
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	3822.99
Capacity:	15500
Volume/Capacity Ratio:	0.25
% Autos:	83%
% Trucks:	17%
Truck Volume:	640.04
Crash Density:	71.45
Crash Severity:	31.8
Critical Crash Rate:	67.26
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	Yes
Average Commuting Time:	37
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	93
Actual Congested Speed:	57.78
Travel Time Index:	0.95

Project Benefits

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	4.71
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Other Principal Arterial
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	0
Travel Time Savings for 30 Years (Total):	25558.2
Travel Time Savings for 30 Years (Autos):	21279.27
Travel Time Savings for 30 Years (Trucks):	4278.93
Long-Term Employment:	0
% Change in Economy:	1.39E-06
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 1

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 1	100%	100	0
	0%	0	0
	0%	0	0
TOTAL Division Points		100	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Albemarle RPO	100%	100	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	100

Project Cost and Source

Construction Cost:	\$23,800,000	TIP Unit
Right-of-Way Cost:	\$6,000,000	TIP Unit
Utilities Cost:	\$1,200,000	TIP Unit
Total Project Cost:	\$31,000,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$31,000,000	